

SECTION 641

MOBILIZATION

641.01. DESCRIPTION.

This work shall consist of the performance of construction preparatory operations, including the movement of personnel and equipment to the project site and for the establishment of the Contractor's offices, buildings, and other facilities necessary to begin work on a substantial phase of the Contract. The Engineer's field office and laboratory is a separate pay item and is not included in this work.

641.05. METHOD OF MEASUREMENT.

Measurement for *mobilization* will be made on a lump sum basis.

641.06. BASIS OF PAYMENT.

Mobilization, measured as provided above, will be paid for at the contract price as follows:

MOBILIZATION LUMP SUM

Such payment shall be full compensation for performing the work specified and the furnishing of all materials, labor, tools, equipment, and incidentals necessary to mobilize and subsequently demobilize the construction preparatory operations.

Payment for this item will be made in two installments unless the first estimate submitted is also the final estimate, in which case the total lump sum bid will be paid. The first payment of 50 percent of the lump sum Contract price—up to and including the amount defined in Table A below as the maximum amount payable for mobilization item—will be made on the first estimate following partial mobilization and the initiation of construction work.

The second and final payment will be made on the next estimate following the completion of substantial mobilization. The determination of when an estimate is due shall be in accordance with Subsection 109.06 of the Standard Specifications. Mobilization will not be considered in this determination. The completion of the erection of materials processing plants, if any, will not be required as a condition to the release of the final payment.

The lump sum price paid for mobilization shall be subject to the following limitations:

TABLE A

TOTAL ORIGINAL CONTRACT AMOUNT INCLUDING MOBILIZATION**		MAXIMUM AMOUNT PAYABLE FOR MOBILIZATION ITEM*
More Than	To and Including	
0	\$100,000	10% of total contract amount
100,000	500,000	\$10,000 plus 4 percent of (total contract minus \$100,000)
500,000	more	\$26,000 plus 3 percent of (total contract minus \$500,000)

- * In the event the lump sum bid for mobilization exceeds the amount stated herein, the difference (remainder) will not be paid until the project is complete in accordance with Subsection 105.17.a.

No additional payment will be made for demobilization and remobilization due to shutdowns, suspensions of the work, or for other mobilization activities.

- ** On all tied projects, the total original contract amount including mobilization established in Table A will be the sum of the original contract amounts of the separate tied projects.

SECTION 642

CONTRACTOR CONSTRUCTION STAKING

642.01. DESCRIPTION.

When specified in the Contract, this work shall consist of furnishing, placing, and maintaining construction layout stakes necessary for the proper prosecution and inspection of the work under the contract in accordance with these Specifications.

642.04. CONSTRUCTION METHODS.

Unless specified elsewhere, the Department of Transportation will be responsible for measurement of volumes of pay quantities and survey control of permanent facilities. The Contractor shall be responsible for staking line and grade of all construction features.

- (a) **Department Responsibilities.** The Department will locate and reference the centerline of permanent construction, stake the right-of-way lines, identify and verify bench marks, and take original and final cross sections for the roadway, borrow pits, channels, and all other earthwork construction features. The Engineer will set stakes to mark centerline/control line and establish bench marks for bridges and special structures as needed. When the centerline of survey and the construction reference line are not the same, the Engineer will set major control points on target and at the beginning and ending of curves on the construction reference line.
- (b) **Contractor Responsibilities.** Exercise care in the preservation of stakes and bench marks and have them reset when they are damaged, lost, displaced, or removed. Use competent personnel and suitable equipment for the layout work required. Do not engage the services of any person or persons in the employment of the Department or use Department-owned equipment for the performance of any work covered by this item.

Set all additional stakes needed, such as offset stakes, reference point stakes, slope stakes, pavement, curb line and grade stakes, stakes for bridges, sewers, roadway drainage, pipe underdrains, paved gutter, fence, culverts, or other structures—and any other horizontal or vertical controls necessary to secure a correct layout of the work. Stake centerline/control line of temporary features, such as shoo-fly detours. When earthwork quantities are specified to be measured by photogrammetry methods, clear and grub the entire project prior to the taking of the original photos or beginning the excavation work. Make stakes for line and grade adequate to maintain the specified tolerances for the operation being performed. Mark the station number and the distance from the centerline of construction on all grade stakes.